

SAM (REX/Ops) Operations Meeting 2008.01.22

For reports submitted to the meeting...

The report text is in this font

Comments made during the meeting are in this font inline with the report

Releases:

No new releases

DØ:

IT #3322: Errors like "*./jim_rapper.sh: line 161: 26304 Killed ./accelerator.sh 26298*" have caused failures in file

deliveries to LCG (as reported in eg. IT #3320 and #3321. But somehow it was solved as Tibor reported on Jan. 19 at 10:32 am (Fermi time).

Anybody knows why ?

There was a nameservice problem at Fermilab, but don't think this was involved. Parag says that many offsite places were inaccessible over the weekend. But problems were occurring before this time. Not sure here.

IT #3313: *samgfw01.fnal.gov Gridftp error : Is this a DOE CA problem and is it resolved ? This old ticket that looks*

simple but hasn't been responded since Jan. 14 ?

SAMGrid FTP runs on 4567, JIM FTP runs on 4568,9. The different ftp's use different gridmap files. The SAMGrid one has services; the other one has users, not service certs. The NGOP monitoring uses a service cert -- adding the service cert to the JIM one doesn't work, because it gets overwritten by VOMS. Arrrrrrgh!

Parag's suggestion - just check port 4567. But this won't catch misconfiguration on the JIM ftp.

IT #3296: *"bad MC merge job efficiency" : Any update/improvement on this ?*

Problem was that fcp queue size on ouhep was set to 2 - fcp queue was getting backed up because of a bad cable at Sprace making for very slow transfers and blocking other transfers.

Changes for retired date in the DB server - when you do "sam get metadata" you now get an empty SAMList for the retired list. That messes up the merge script that can't handle the empty list.

IT #3290: *"EM Alert: Warning: D0OFPRD1.FNAL.GOV - ORA-error stack" : How about*

this error from A. Kumar ?

This problem seems to be gone.

d0cabsrv1 station crash - due to rare state of unexpected station changing between corba calls. Station automatically restarted and no one noticed.

CDF:

Hi,

here the CDF SAM Shift report for week 01.15 to 01.21.

Cheers, Stefano

Very quiet week, only few minor issues:

Tue. 01.15:

- fcdldata320: offline (from previous shift):
-----> waiting to be reinstalled
- LTO3_10 mover down (from previous shift) waiting for assistance: --> fixed
- LTO3_23 offline: drive replaced:
-----> fixed
- Encp error: volume IAB259 marked NOACCESS: -----> fixed

Fri. 01.18:

- Encp error: volume IAD999 marked NOACCESS: -----> fixed
- Problems with job submission to CAF due to an automatic process that caused authentication problems on the CAF head nodes located at FNAL:
----->
fixed

Sun. 01.20:

- problem reported by a SAM user using pickEvent. It turned out that the user were using pickEvent from the wrong software release (6.1.4 instead of the version from development). SAM@CDF user documentation has been updated by Thomas Kuhr to avoid the problem to happen again: ----->
fixed

On Friday, the b0spool machine (online nfs server) died - very bad (and b0gateway was down too). Stopped the CSL to enstore transport. Angela could not get access until Saturday morning. Angela restarted the CLSAM and other scripts.

MINOS:

Minos status 2008 Jan 22

General -

AFS - Timeouts of some servers are continuing.
A rolling software/firmware upgrade is underway.

Enstore -

DCache -

SAM -

IT 3128. sam_products for sam_station v6_0_5_22_srm
IT 1894 Need 'sam locate' in C++ API

Robert has made progress on this.

Oracle -

OPEN ISSUES

IT 1146: cannot test existence of sam tape location
IT 1894: sam locate via C++ api, for simple client needs
IT 1979: Compiler warnings from sam_cpp_api
IT 2071: quadratic project startup time growth
IT 3128. sam_products for sam_station v6_0_5_22_srm

PLAN -

Migration to 9940B tape can proceed anytime

Comments

DB:

Oracle's quarterly Security patches are expected to be release on Jan 15, 2008

CSS-DSG group will be scheduling downtimes for Dev/int and production databases in coming weeks.

D0 :

- On 12/04/07 SAM cut v6_10 on d0ofdev1/dofint1 - To add composite index on lower(file_name) and retired_date
- Drop the unique index on

lower(file_name)

Recreated as non-unique on
file_name.

dropped the unique constraint on
file_name and retired_date

Note: V6_10 will be deployed during downtime.

Will be deployed on 2/5 on production systems.

Alerts:

Message=Tablespace [TS_CF_03312000] is [80.04 percent] full

Action: Added 1.5GB

CDF :

- SAM v6_10 pending on cdfofpr2 - Will be deployed during downtime

MINOS:

- Buffer Cache Hit Ratio on minosprd is 67%. Maximum is allocated to oarcle.

Need to upgrade the memory on node hosting minosprd.

Maurine M. is looking into this.

- Note: Since there is no impact on query, Art K. suggested not to upgrade the memory on system.

Details:

http://www-css.fnal.gov/dsg/internal/minos/dec13_tuning_minosprd.htm

Comments

Enstore/dCache:

Planning in Feb to do upgrade for CDF enstore servers. K - a downtime is being planned - perhaps within two weeks. Someone will contact Dave (but enstore people may not be ready if downtime is too soon).

A D0 tape was stuck in a drive and its leader was damaged when it was removed. But since this is a LTO2 in the ADIC, we don't have an arrangement for anyone to repair the tape. So there needs to be a decision if these files are worth saving.

On Sat a public dCache node as rebooted after it crashed. No one noticed. No precious files on the node.